Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A process to cool harvest grapes comprising the steps of transporting the grapes to a press via a first connection line or to a maceration vessel via a second connection line, ~~inside a connection line and charging the grapes with carbon dioxide, by opening one or more valves to allow carbon dioxide to enter the connection line carrying the grapes, during transport to the press or during transport to the maceration vessel~~ controlling a supply of a gaseous carbon dioxide and a supply of a liquid carbon dioxide to the first and second connection lines by a controller, and detecting the temperature of the grapes, wherein the ~~charging with~~ supply of carbon dioxide is interrupted if the temperature of the grapes falls below 7°C and further comprising a macerating step which lasts only a few hours.

2. – 9. (Cancelled)

10. (Currently Amended) The process of claim 1, further comprising the step of directing ~~the~~ a movement of the grapes with one or more valves.

11. – 13. (Cancelled)

14. (Currently Amended) The process of claim 1, ~~further comprising the step of directing the movement of the carbon dioxide to the grapes~~ wherein the step of controlling the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines by the controller includes operating ~~with one or more~~ valves.

15. (Cancelled)

16. (Currently Amended) The apparatus of claim [[6]] 21, further comprising one or more temperature measuring devices.

17. – 20. (Cancelled)

21. (New) An apparatus for producing wine, comprising:

a harvest reception vessel;

a press coupled to the harvest reception vessel via a first connection line, wherein a first quantity of grapes from the harvest reception vessel is transported to the press via the first connection line;

a maceration vessel coupled to the harvest reception vessel via a second connection line, wherein a second quantity of grapes from the harvest reception vessel is transported to the maceration vessel via the second connection line; and

a controller, wherein the controller controls a supply of a gaseous carbon dioxide and a supply of a liquid carbon dioxide to the first and second connection lines and wherein the controller interrupts the supply of the carbon dioxide if a temperature of the grapes falls below 7°C.

22. (New) The apparatus for producing wine of claim 21, wherein the controller controls the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines by varying a position of a first valve associated with the gaseous carbon dioxide and a second valve associated with the liquid carbon dioxide.

23. (New) The apparatus for producing wine of claim 22, wherein the varying of the position of the first valve associated with the gaseous carbon dioxide and the second valve associated with the liquid carbon dioxide varies a temperature of the first and/or second connection lines.

24. (New) The apparatus for producing wine of claim 22, wherein when the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed, a highest temperature is reached.

25. (New) The apparatus for producing wine of claim 22, wherein when the position of the first valve associated with the gaseous carbon dioxide is closed and the position of the second valve associated with the liquid carbon dioxide is open, a coldest temperature is reached.

26. (New) The apparatus for producing wine of claim 22, wherein when a process of the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide is started, the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed.

27. (New) The apparatus for producing wine of claim 22, wherein the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines is controlled by a third valve associated with the first connection line and a fourth valve associated with the second connection line.

28. (New) The process of claim 1, wherein the controller controls the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines by varying a position of a first valve associated with the gaseous carbon dioxide and a second valve associated with the liquid carbon dioxide.

29. (New) The process of claim 28, wherein the varying of the position of the first valve associated with the gaseous carbon dioxide and the second valve associated with the liquid carbon dioxide varies a temperature of the first and/or second connection lines.

30. (New) The process of claim 28, wherein when the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed, a highest temperature is reached.

31. (New) The process of claim 28, wherein when the position of the first valve associated with the gaseous carbon dioxide is closed and the position of the second valve associated with the liquid carbon dioxide is open, a coldest temperature is reached.

32. (New) The process of claim 28, wherein when a process of the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide is started, the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed.

33. (New) The process of claim 28, wherein the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines is controlled by a third valve associated with the first connection line and a fourth valve associated with the second connection line.